

**UNITED STATES PATENT & TRADEMARK OFFICE**

Examiner: OGUNBIYI, Oluwatosin A. Art Unit: 1645  
Applicant: THIRY, Michel, *et al.*  
Serial No.: 10/574,639  
Filed February 28, 2007  
For: **PISCIRICKETTSIA SALMONIS  
ANTIGENS AND USE THEREOF**  
Confirmation No. 4135

**SECOND RESPONSE UNDER 37 C.F.R. § 1.116**

**Mail Stop AF**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

January 5, 2010

Sir:

In response to the Office Action dated August 18, 2009 and the Advisory Action dated December 4, 2009, the following amendments and remarks are provided. A Petition for a two-month extension of time is also enclosed, together with the required fee for a large entity.

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks** begin on page 8 of this paper.

**CERTIFICATE OF ELECTRONIC TRANSMISSION**

I hereby certify that this document is being electronically  
transmitted to the Commissioner for Patents via  
EFS-Web on January 5, 2010  
LUCAS & MERCANTI, LLP

BY: \_\_\_\_\_

Akiko Sakagami